



CONFINED SPACE / LEAK DETECTOR

Gas Detection For Life

Gas Tracer Model



Features

- Monitors ppm, LEL, and % volume methane, O₂ and CO
- ppm leak detector, detects down to 10 ppm CH₄
- “Leak tracker” audible/visual alarm mode for CH₄ and CO
- 0 to 100% volume Methane option
- Auto-ranging display of % LEL and % volume
- Barhole test mode
- Bump test reminder option
- Snap-logging - on demand data recording
- Pump pause on demand extends battery life
- Status indicators:
 - Pump active, microprocessor status and battery level
- Internal sample drawing pump with up to 50 foot range
- Vibration, visual, and audible alarms
- Automatic backlight during alarms
- Calibration reminder with lock out option
- Lithium ion or alkaline battery packs (interchangeable)
- Quick charge
- Glove friendly large buttons
- Alarm latching or non-latching
- High impact protective rubber overmolding
- Up to 600 hours of datalogging with alarm trends
- Autocalibration or single calibration
- TWA and STEL readings with lunch-break mode
- Intrinsically safe, ATEX/IECEX/CE and c CSA US (pending)
- High dust and water resistance design
- 2 year warranty

Built around high-quality micro-sensor technology, the Gas Tracer is RKI's smallest personal 5 sensor monitor with a built in sample pump. Weighing only 12.3 ounces, it has many features which set the Gas Tracer apart from the competition. For example, it can monitor the standard gas safety hazards for gas/pipeline operations, (LEL combustibles, Oxygen content, and Carbon Monoxide), and it also has a high-sensitivity ppm CH₄ leak tracker mode which reads down to 10 ppm. It can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability. The Gas Tracer is excellent for gas line purge testing and detection of small gas leaks.

The Gas Tracer's large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. Other standard mode alarm types include vibration, visual, and audible alarms that can be set to latching or non-latching. Controlled by a microprocessor, the Gas Tracer continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The Gas Tracer can operate on either a Li-Ion battery pack or an alkaline battery pack. The batteries are simple to replace requiring no tools to access the removable battery compartment or pack. Calibration and bump test intervals and reminders are user adjustable and can be set to either go into alarm or to lock the user out of normal measurement mode once a calibration period has expired. Calibrations can be performed automatically or individually in single calibration mode. The Gas Tracer is also compatible with the economical SDM-2012 single channel calibration station.

Gas Tracer Model

Gas Detected	Combustible Gases (Methane as standard)	% Volume Methane	PPM Methane	Oxygen (O2)	Carbon Monoxide (CO)
Detection Principle	Catalytic combustion	Thermal conductivity	MOS/catalytic	Galvanic cell	Electrochemical cell
Detection Range	0 ~ 100% LEL	0 ~ 100% Vol.	0 ~ 5000 ppm optional 10,000 ppm range version available	0 ~ 40% Vol.	0 ~ 500 ppm
Accuracy Statement (whichever is greater)	± 5% of reading or ± 2% LEL	± 5% of reading or ± 2% of full scale	± 10% of reading or ± 50 ppm CH4	± 0.5% O2	± 5% of reading or ± 5 ppm CO
Sampling Method	Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter				
Display	Digital LCD with 7 segments, auto backlight during alarm				
Preset Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 50% LEL Over alarm 100% LEL	No alarms for % Vol. CH4	Increasing tone/ light pulse as concentration increases	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
Alarms Types	Leak Tracker Mode: Escalating audible/visual alarm, changes with gas level (audible can be turned off) Gas alarms: 1st and 2nd, STEL, TWA (user adjustable) and OVER Trouble alarms: Sensor connection, low battery, low flow, circuit trouble and calibration error				
Alarm Methods	Gas alarms: Flashing lights, two tone buzzer, and vibration Trouble alarms: Flashing lights, trouble displayed, intermittent buzzer, and vibration				
Operating Temp. & Humidity	-20°C to +50°C (-4°F to +122°F) 0 to 95% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 15 hours Li-Ion battery: 10 hours 70°F (21°C)				
Power Source	Li-Ion battery pack, or 3 “AA” Alkaline battery pack; interchangeable				
Safety Rating	ATEX, TIIS, IECEx, CE, c CSA US classified (pending), as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
Dimension & Weight	Approx. 143 (H) x 71 (W) x 43 (D) mm (5.6” H x 2.8” W x 1.6” D), approx. 350 g (12.3 ounces)				
Case Material	High dust & water resistant design. RFI shielded high impact plastic with protective rubber overmolding				
Controls	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	• Belt clip • Rubber nozzle, 2.5” • Datalogging software • 10” Probe • Manual • Quick reference card • 10’ Hose • Training CD				
Optional Accessories	• SDM-2012 calibration stations • Calibration kit • Li-Ion battery pack • AC or DC Charger • Sample draw hoses (10’ standard, up to 50’ max. available) • Carrying case				
Configurations	1, 2, 3, 4, or 5 sensor units Li-Ion or alkaline battery pack options				
Warranty	Two years material and workmanship				

Specifications subject to change without notice.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.